VERSION DESCRIPTION DOCUMENT FOR THE ACQUISITION MANAGEMENT SYSTEM (AMS)

Release 7.4.1

PrISMS Contract

May 2001

National Aeronautics and
Space Administration

George C. Marshall Space Flight Center
Huntsville, AL 35812

VERSION DESCRIPTION DOCUMENT
FOR THE
ACQUISITION MANAGEMENT SYSTEM (AMS)
RELEASE 7.4.1

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NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GEORGE C. MARSHALL SPACE FLIGHT CENTER
HUNTSVILLE, ALABAMA

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ACQUISITION MANAGEMENT SYSTEM (AMS)
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Approved by

Sheila Fogle
Consolidation Center Project Manager

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GEORGE C. MARSHALL SPACE FLIGHT CENTER
HUNTSVILLE, ALABAMA

May 2001

APPENDICES

1.0 <u>INTRODUCTION</u>

This Version Description Document (VDD) describes the changes and installation procedures for Release 7.4.1 of the Acquisition Management System (AMS). This section identifies the release, describes its purpose, defines its scope, and identifies its contact points.

1.1 IDENTIFICATION OF THE RELEASE

This software release is identified as AMS, Release 7.4.1 and has an effective release date of May 15, 2001.

1.2 PURPOSE OF THE RELEASE

This release implements modifications necessitated by the following Change Control Requests (CCR):

RC 1254 – Software AG Upgrade - ADABAS/Natural 3.1.3. Modify some of the programs in AMS so that all will compile under the new version of ADABAS/Natural.

RC 1275 – Regulatory Requirements Modifications. Hubzone Small Business Concern, Hubzone Program, and Veteran Owned Small Business Concern should be optional if the 507 Required field is a 'Y'. Validation message not being displayed properly when 507 fields are changed. **(Originally released as AMS 7.3.0 Emergency Release.)**

1.3 SCOPE

This VDD provides the functional and technical user of AMS with information regarding the contents, status, and structure of Release 7.4.1, including the following:

- Changes implemented since Release 7.3.0.

- Validation procedures to ensure the reliability of release changes.

- References to other documentation affected by this release.

- Detailed software installation instructions.

No waivers are associated with this release.

1.4 CONTACT POINTS

Sustaining Engineering for AMS is provided through the Consolidation Center (CC) located at Marshall Space Flight Center (MSFC). Questions regarding the functional and/or the technical aspects as well as the installation of this release should be directed to:

The NACC Technical Services Center (Identify yourself as SESAAS & AMS.)

Telephone: (256) 544-6673
Email: charmaine.styles-oscarson@msfc.nasa.gov
FAX: (256) 544-1836

2.0 <u>FUNCTIONAL INFORMATION</u>

This section includes details regarding functional changes, functional interfaces, critical issues, affected documents, and application system administration.

2.1 FUNCTIONAL CHANGES

Please refer to Appendix C, Functional Change Validation Procedures, for a description of all functional changes related to this release. Appendix D, Installation Instructions, describes all Software PREDICT and SYSERR changes related to this release.

2.2 FUNCTIONAL INTERFACES

This release has no functional impact on interfaces with any SESAAS (Sustaining Engineering Support for Agencywide Administrative Systems) application.

2.3 CRITICAL ISSUES

This release of AMS must be installed immediately following the Software AG Upgrade for ADABAS/Natural 3.1.3 is installed. This release will not work with older versions of ADABAS/Natural. Older releases of AMS will not work with the new version of ADABAS/Natural.

2.4 AFFECTED DOCUMENTS

No documents are affected by this release.

2.5 APPLICATION SYSTEM ADMINISTRATION

There are no application system administration changes associated with this release.

3.0 TECHNICAL INFORMATION

This section includes details regarding technical system interfaces, data dictionary changes, software object changes, and database administration activities.

3.1 TECHNICAL SYSTEM INTERFACES

There are no technical systems interface issues with this release.

3.2 DATA DICTIONARY CHANGES

There are no data dictionary changes in this release.

3.3 SOFTWARE OBJECT CHANGES

Modules affected by this release are included in Appendix D, Section 2.2.

3.4 DATABASE ADMINISTRATION

This section describes the database administration activities for installation of this release.

3.4.1 Release Dataset Names

Refer to Appendix D, Introduction section, for the release dataset names.

3.4.2 Inventory of Objects

Refer to Appendix D, Paragraph 2.1, for an inventory of Natural object types.

3.4.3 Storage Considerations

The changes represented by this release should not affect storage requirements.

3.4.4 Installation Procedures

Refer to Appendix D, Installation Instructions for AMS Software Release 7.4.1 for detailed software installation procedures.

3.5 OPERATIONAL PREPARATION

Refer to the procedure described in Appendix D for assistance in preparing for proper installation and operational use of this release.

4.0 <u>KNOWN AND OPEN PROBLEMS</u>

There are no known or open problems related to this release.

APPENDIX A
ABBREVIATIONS AND ACRONYMS

ABBREVIATIONS AND ACRONYMS

AMS	Acquisition Management System
CC	Consolidation Center
CCR	Change Control Request
DR	Discrepancy Report
FACS	Financial and Contractual Status
FAX	Electronic Facsimile Transmission
MSFC	Marshall Space Flight Center
NACC	NASA Automated Data Processing (ADP) Consolidation Center
NASA	National Aeronautics and Space Administration
RC	Requirements Change
SESAAS	Sustaining Engineering Support for Agencywide Administrative Systems
VDD	Version Description Document

APPENDIX B
GLOSSARY

GLOSSARY

Database Administration

Responsibility for maintaining the physical database environment.

Implementation

The process by which a NASA site installs a software release and places it into operational use.

Operational Preparation

Preparation by a NASA site for installation and use of a release.

System Administration

Responsibility for administrative functions such as application security and table data maintenance associated with an application.

APPENDIX C
FUNCTIONAL CHANGE VALIDATION
PROCEDURES

FUNCTIONAL CHANGE VALIDATION PROCEDURES

Index of validation procedures for changes in this release.

Section	CCR	Title
1.0	1254	Software AG Upgrade - ADABAS/Natural 3.1.3
2.0	1275	Regulatory Release Modifications **(Originally released as AMS 7.3.0 Emergency Release.)**

Details for the validation procedures are listed below.

1.0 Number 1254
Modify some of the programs in AMS so that all will compile under the new version of ADABAS/Natural.

Description of Change
The data view, Command, associated with the Command Processor was changed in the new release of ADABAS/Natural 3.1.3. Therefore, changes were required in the associated programs.

Help routines were failing under the new release of ADABAS/Natural 3.1.3 due to the 'AD=A' parameter. This parameter was changed to 'AD=O'.

Functional Impact
All programs in AMS will work correctly under the new version of ADABAS/Natural.

Validation Procedures

Banner Screen:
Verify the version number on the Banner Screen has been changed to 7.4.1.

Command Processor:
Test the Command Processor to verify that it works correctly.

Help Routines:

FROM	CHOOSE OPTION
Main Menu	**1**
PR Processing Menu	**1**
Add a PR Record	

1. Enter '?' in the Organization Code field. Press ENTER. This will display help for this field.
2. Enter 'T' in the Option field. Press ENTER.
3. Enter one of the displayed Organization Codes in the Select Code field. Press ENTER. Verify that the chosen Organization Code is returned to the Add a PR Record screen.
4. Enter '?' in the Budget Approve Date field. Press ENTER. This will display help for this field. Press ENTER to return to the Add a PR Record screen.
5. Enter '?' in the TPA Code field. Press ENTER. This will display help for this field. Press ENTER to scroll the definition.
6. Enter 'T' in the Option field. Press ENTER. Enter one of the displayed TPA Codes in the Select Code field. Press ENTER. Verify that the chosen TPA Code is returned to the Add a PR Record screen.
7. Enter '?' in the Buyer field. Press ENTER. This will display help for this field. Press ENTER to scroll the definition.
8. Enter 'T' in the Option field. Press ENTER. Enter one of the displayed Buyer Codes in the Select Code field. Press ENTER. Verify that the chosen Buyer Code is returned to the Add a PR Record screen.
9. Enter '?' in the Priority Code field. Press ENTER. This will display help for this field.
10. Enter 'T' in the Option field. Press ENTER. Enter one of the displayed Priority Codes in the Select Code field. Press ENTER. Verify that the chosen Priority Code is returned to the Add a PR Record screen.
11. Enter '?' in the Special Handling field. Press ENTER. This will display help for this field.
12. Enter 'T' in the Option field. Press ENTER. Enter one of the displayed Special Handling Codes in the Select Code field. Press ENTER. Verify that the chosen Special Handling Code is returned to the Add a PR Record screen.
13. Enter '?' in the Document Number field. Press ENTER. This will display help for this field. Press ENTER to return to the Add a PR Record screen.

FROM	**CHOOSE OPTION**
Main Menu	**1**
PR Processing Menu	**2**
Update a PR Record	

1. Enter '?' in the Prop Code field. Press ENTER. This will display help for this field. Press ENTER to scroll the definition.

FROM	**CHOOSE OPTION**
Main Menu	**2**
Bid List Options Menu	**1**
Bid List Creation	

1. Enter '?' in the NAICS Code field. Press ENTER. This will display help for the NAICS Code field.
2. Enter one of the displayed NAICS Code in the Select Code field. Press ENTER. Verify that the selected NAICS Code is returned to the Bid List Creation screen.
3. Enter '?' in the first field of Postal Zone Range. Press ENTER. This will display help for the Postal Zone Range field.
4. Enter one of the displayed Postal Zone Codes in the Select Code field. Press ENTER. Verify that the selected Postal Zone Code is returned to the Bid List Creation screen.
5. Enter the rest of the information required to create a Bid List. Enter 'Y' in the Additional Sources field. Press ENTER to generate vendor information.
6. Enter 'P' in the Option field. Press ENTER.
7. Enter 'A' in the Option field of the popup window. Press ENTER.
8. Enter '?' in the Business Code field. Press ENTER. This will display help for this field.
9. Enter one of the displayed Business Codes in the Select Code field. Press ENTER. Verify that the selected Business Code is returned to the Add Vendors to the Vendor File/Bid List screen.
10. Enter '?' in the Vendor Name field. Press ENTER. This will display help for this field.
11. Press ENTER to return to the Vendor File/Bid List screen.
12. Return to the Main Menu.

FROM	**CHOOSE OPTION**
Main Menu	**4**
Contract Main Menu	**5**
Contract Delivery Order Menu	**1**
Add a Delivery Order	

1. Enter '?' in the Center Kind of Action field. Press ENTER. This will display help for this field.
2. Enter one of the displayed Center Kind of Action codes in the Select Code field. Press ENTER. Verify that it is returned to the Add a Delivery Order screen.
3. Enter '?' in the Contracting Officer field. Press ENTER. This will display help for this field.
4. Enter one of the displayed Buyer Codes in the Select Code field. Press ENTER. Verify that the chosen Buyer Code is returned to the Add a Delivery Order screen.

FROM	**CHOOSE OPTION**
Main Menu	**6**
Vendor Update Menu	**9**
CPOP Vendor Add	

1. Enter '?' in the Place of Perf State/Country field. Press ENTER. This will display help for this field.
2. Enter one of the displayed Codes in the Select Code field. Press ENTER. Verify that the selected Code is returned to the Place of Perf State/Country field on the CPOP Vendor Add screen.

FROM	**CHOOSE OPTION**
Main Menu	**6**
Vendor Update Menu	**16**
Batch Vendor Report/Update Menu	**2**
Outdated SF129 Vendor Report/Purge Submission	**3**
Outdated SF129 Vendors Window	

1. Enter '?' on the Mark for Purge and Print Batch Report Cut Off: 5 (Default is 5 Years) line. Press ENTER. This will display help for this field.

MODULE ID	MODULE NAME	TYPE
NACPERNA	COMMAND PROCESSOR SUBROUTINE	SUBP
NAHF00HA	FIELD LEVEL HELPROUTINE	HELP
NAHF00HB	FIELD LEVEL HELPROUTINE FOR FIELDS DISPLAYED IN A WINDOW	HELP
NAHF01HA	FIELD LEVEL HELPROUTINE – A1	HELP
NAHF02HA	FIELD LEVEL HELPROUTINE – A2	HELP
NAHF02HB	FIELD LEVEL HELPROUTINE – N2	HELP
NAHF03HA	FIELD LEVEL HELPROUTINE – A3	HELP
NAHF05HA	FIELD LEVEL HELPROUTINE – A5	HELP
NAHF12HA	FIELD LEVEL HELPROUTINE – A12	HELP
NAHF21HA	FIELD LEVEL HELPROUTINE – A1	HELP
NAHF21HB	FIELD LEVEL HELPROUTINE – N1	HELP
NAHF22HA	FIELD LEVEL HELPROUTINE – A2	HELP
NAHF23HA	FIELD LEVEL HELPROUTINE – BUYER CODE	HELP
NAHF28HB	FIELD LEVEL HELPROUTINE – NAICS CODE	HELP
NAHF31HA	FIELD LEVEL HELPROUTINE – POSTAL ZONE	HELP
NAHF32HA	FIELD LEVEL HELPROUTINE FOR THE STATE OR COUNTRY CODE TABLE	HELP
NAHF90HA	FIELD LEVEL HELPROUTINE FOR PROGRAM DEFINED VARIABLES	HELP
NAHF91HA	FIELD LEVEL HELPROUTINE FOR PROGRAM DEFINED VARIABLES IN WINDOWS	HELP
NAHFC1NA	DISPLAY OF HELP FOR COMMAND KEYWORDS	SUBP
NAHFC1NB	DISPLAY OF HELP FOR VALID KEYWORD COMBINATIONS	SUBP
QGM00	SESSION INITIALIZATION	PGM

2.0 Number 1275

Regulatory Requirements Modifications. Hubzone Small Business Concern, Hubzone Program, and Veteran Owned Small Business Concern should be optional if the 507 Required field is a 'Y'. Validation message not being displayed properly when 507 fields are changed.

Description of Change
1. The Hubzone and VOSB fields will be optional if the 507 Required field is a 'Y'.
2. On the Purchase Order Update Screen (Option 2 on the Purchase Order Award Menu), a "Validation Required" message will be displayed if any of the 507 reportable fields are changed.

Functional Impact
1. The Hubzone and VOSB fields no longer have to be entered on the PO add and update screens for awards if a 507 form is required for the PO. These fields may be added when entering the 507 data. However, a valid value for each of the fields must be entered if the PO does not require a 507 form. The existing values for the fields and 507 edits remain the same.

2. Additional 507 fields on the PO update screen for awards will now generate the message, "Record XXXXX Updated. Validation of Data is Required." Before this release, the validation message would only be generated when the PPC, Kind of Action, or Demonstration Test Program fields would change. The new additions are as follows:

- PIN
- AIN
- CONTRACTOR VID
- KIND OF ACTION
- PPC
- AWARD DATE
- REQUIRED DELIVERY DATE
- FSS/INDEF-DELIVERY/BOA-NUM
- PO DESCRIPTION
- PRICE/EST COST
- FINAL INVOICE PAID DATE
- PHYSICAL COMPLETION DATE
- DEMONSTRATION TEST PROGRAM
- HUBZONE SMALL BUSINESS CONCERN
- HUBZONE PROGRAM
- VETERAN OWNED SMALL BUSINESS CONCERN

Validation Procedures

Hubzone and VOSB Data

FROM	CHOOSE OPTION
Main Menu	**3**
Purchase Order Main Menu	**1**
Purchase Order Award Menu	**1**
Purchase Order Add	

Using Option 1 (Add an Original PO Award), add a new Purchase Order with the conditions listed below.

For each situation, attempt to enter an invalid field value in each of the three concerned fields. The message displayed should be "INVALID FIELD VALUE."

Also, in each situation, attempt to leave one or more of the subject fields blank. If 507 REQUIRED is equal to 'Y', any or all of the three fields in question should be allowed to be blank and still allow the Purchase Order to be added. If 507 REQUIRED is equal to 'N', all of the fields should display the "INVALID FIELD VALUE" message when the user attempts to leave them blank.

	507 Required	Price/Est Cost	"Update 507 Warning" Window
1.	Y	$250	Y
2.	Y	$250	N
3.	Y	$30,000	
4.	N	$250	
5.	N	$30,000	N
6.	N	$30,000	Y

FROM	CHOOSE OPTION
Main Menu	**3**
Purchase Order Main Menu	**1**
Purchase Order Award Menu	**2**
Purchase Order Update	

Using the Purchase Orders created above, complete the same tests for Option 2 (Update an Original PO Award). Again, for each situation, attempt to enter an invalid field value in each of the three fields. Also, in each situation, attempt to leave one or more of the subject fields blank.

Since the user can now enter a Purchase Order with the HUBZONE SML BUS CNCRN, HUBZONE PROGRAM, or VETERAN OWNED SML BUS CNCRN fields blank, a special situation might arise when 507 REQUIRED = 'Y' and PRICE/EST COST is less than $25,000. When the "Update 507 Warning"

window is displayed, the user is given an option to change GENERATE 507 to an 'N'. If the user were allowed to do this, they would have added a new Purchase Order with 507 REQUIRED equal to 'N' and a blank required field. To keep this from occurring, the following message is displayed: "IF 507 NOT REQUIRED, HBZ/VOSB DATA IS REQUIRED. ENTER Y. THEN OPTION 2 TO FIX." If the user meant for the 507 REQUIRED field to be equal to 'N', they will have to use the Update an Original PO Award option to change the 507 REQUIRED field to 'N'. When they do this, they will be prompted to fill in the HUBZONE SML BUS CNCRN, HUBZONE PROGRAM, and VETERAN OWNED SML BUS CNCRN fields as well.

For the sixth test above, the window, "Update 507 Warning" should be displayed when 507 REQUIRED is equal to 'N'. If the user enters 'Y' in the window, a message, "IF 507 IS REQUIRED, HBZ/VOSB DATA WILL BE REMOVED. PRESS ENTER TO CONTINUE" will be displayed. When the user presses enter to confirm the message, the HBZ/VOSB data should be reset to blanks. This will allow the user to update the fields when updating the 507 data.

Test for these situations in both Option 1 (Add an Original PO Award) and Option 2 (Update an Original PO Award).

Validation Message – PO Update an Original Award

FROM	CHOOSE OPTION
Main Menu	**3**
Purchase Order Main Menu	**1**
Purchase Order Award Menu	**2**
Purchase Order Update	

The message currently being displayed when a field is changed on the PO Update screen only refers to VALIDATION being required if one (or more) of three fields--Kind of Action, PPC, or Demonstration Test Program--are changed. There are other FACS reportable fields on this screen that should display the message about validation being required.

If 507 REQUIRED is equal to 'Y' and any of the FACS reportable fields are changed, the message displayed will be "RECORD XXXXXXXXXXX UPDATED. VALIDATION OF DATA IS REQUIRED." If a field is changed and it is not FACS reportable, the message displayed will be "RECORD XXXXXXXXXXX UPDATED. USE OPTION 2 AND NEXT PO NUM TO UPDATE ANOTHER."

If 507 REQUIRED is equal to an 'N' and any fields are changed, the message displayed will be "RECORD XXXXXXXXXXX UPDATED. USE OPTION 2 AND NEXT PO NUM TO UPDATE ANOTHER."

The following is a list of the fields that, when changed, will cause the
VALIDATION message to be displayed:

- PIN
- AIN
- CONTRACTOR VID
- KIND OF ACTION
- PPC
- AWARD DATE
- REQ DELIVERY DATE
- FSS/INDEF-DELIVERY/BOA-NUM
- PO DESCRIPTION
- PRICE/EST COST
- FINAL INVOICE PAID DATE
- PHYS COMPL DATE
- DEMONST TEST PROGRAM
- HUBZONE SML BUS CNCRN
- HUBZONE PROGRAM
- VETERAN OWNED SML BUS CNCRN

Using Option 2 (Update an Original PO Award) of the Purchase Order Award
Menu, update a Purchase Order with each of the following situations:

	507 Required	Field to Change	Message Displayed
1.	Y	Kind of Action	Validation Required
2.	Y	Final Invoice Paid Date	Validation Required
3.	Y	Hubzone Program	Validation Required
4.	Y	Special Handling	Record Updated
5.	N	Kind of Action	Record Updated
6.	N	Hubzone Program	Record Updated

** PLEASE NOTE **

*When verifying the status of validation flags, use any of the following PO award
menu options:*

*3   - Query An Original PO Award   (Pages 1, 2, and 3 display the 'Validated'
                                     status. Page 3 also displays the
                                     REPORTED status.)*

*7   - Update 507 Data   (All 3 pages display the 'Validated' status. Page 3
                              also displays the REPORTED status.)*

8   - Query Original 507 Data

Using option 9, "Query Composite 507 Data" from the PO award menu does not capture the accurate settings for the validation flags. Since the composite records are not reported in FACS and the current process is a long established business rule, this issue will be addressed in a future release.

If a user enters option 2, "Update An Original PO Award", and presses enter without changing any field on the screen, the REPORTED flag is updated to 'N', but the VALIDATED flag retains the same value on the PO regardless of the 507 requirement. If the PO required a 507 form and was previously validated and reported, the action will not cause the record to be reported again as a correction. The PO will only get reported again when one or more 507 fields are changed using this option and the PO is revalidated before the next FACS run. This issue will also be addressed in a future release.

FACS VERIFICATION

To ensure the PO records will be reported correctly to Headquarters, the FACS submission must be run. First, submit a trial run to determine the reporting results by reviewing the report that is generated and comparing them to the POs expected to be reported. Second, run the FACS monthly submission to perform the actual updates to the database. Do NOT transmit the dataset to Headquarters. Finally, review this report to determine if the records expected to be reported are identified on the report because this is the final list that would be submitted to Headquarters. (It is recommended to add more POs and modify existing ones after the first FACS submission is complete. Afterward, re-execute the steps below using a later Rec Reported Date and Correction Cutoff Date. These iterative tests are necessary to verify that correction records will be reported in subsequent FACS submissions.)

FROM	CHOOSE OPTION
Main Menu	**7**
General Reports Menu	**2**
FACS Dataset Submission	

Execute the Monthly FACS Submission option for a FACS Trial Run. Enter the Rec Reported Date for the date the POs were created or changed. The default Correction Cutoff Date may be the same as the Rec Reported Date. **Ensure the Trial Run option is chosen.** Verify all programs executed successfully. Compare the FACS report to the records expected to be reported. The report should display only new validated base or mod records created or validated records that had changes made to the 507 data fields specified above. To perform this task, select the core menu options or run using your site unique JCL.

FROM	CHOOSE OPTION
Main Menu	**7**
General Reports Menu	**2**
FACS Dataset Submission	

Execute the Monthly FACS Submission option for an actual FACS run. (The dataset will not be sent to HQ unless you send it.) Enter the Rec Reported Date and Correction Cutoff Date used in the previous step. **Ensure the Produce FACS Dataset option is chosen.** Verify all programs executed successfully. The results should be the same as the results in the trial run executed above. The only difference is that the records on the report will actually be updated in the database to indicate they have been reported. To perform this task, select the core menu options or run using your site unique JCL.

MODULE ID	MODULE NAME	TYPE
QSA15	PO ADD (SHORT FORM)	PROGRAM
QSA17	PO SHORT FORM UPDATE	PROGRAM
QSA17L	PO SHORT FORM UPDATE - LOCAL DATA AREA	LOCAL

APPENDIX D
INSTALLATION INSTRUCTIONS
FOR AMS SOFTWARE RELEASE 7.4.1

**INSTALLATION INSTRUCTIONS AND CHECKLIST
FOR AMS SOFTWARE RELEASE 7.4.1**

Introduction

Release information:

System Name: AMS
Release Number: 7.4.1
Release Date: May 15, 2001
Effective Date: May 15, 2001

This release must be implemented immediately following the Software AG Upgrade for ADABAS/Natural 3.1.3 is installed. This release will not work with older versions of ADABAS/Natural. Older releases of AMS will not work with the new version of ADABAS/Natural.

The following datasets are located on the transient storage DASD volumes under the following data sets names:

- xxMOV.AMS.PROD.R741.R0501.DOC
- xxMOV.AMS.PROD.R741.R0501.SRC

Where "xx" is replaced by the appropriate NASA Center designation.

```
AR - ARC
DF - DFRC
GS - GSFC
HQ - HQ
J5 - JSC
LA - LaRC
LE - GRC (Glenn)
KS - KSC
MS - MSFC
SS - SSC
```

In case of installation problems, contact the NACC Technical Services Center (Identify yourself as SESAAS & AMS.)

Telephone: (256) 544-6673
Email: charmaine.styles-oscarson@msfc.nasa.gov
FAX: (256) 544-1836

Installation Sequence

The sequence in which the installation of this release should occur is provided in the following list. A checklist is provided in Section 9.0 to assist in tracking the installation of this release.

1.0   Back Up Existing Data
2.0   Copy Source/Object Code
3.0   Pre-Predict Data Conversion
4.0   Install Predict
5.0   Catalog Source Code
6.0   Post-Predict Data Conversion
7.0   Release-Specific Procedures
8.0   Local JCL Mods
9.0   Installation Checklist

1.0 Back Up Existing Data

It is advisable to back up all AMS files as a precautionary measure prior to installation.

2.0 Copy Source/Object Code

2.1 Copy Source Code

Load the AMS library from dataset xxMOV.AMS.PROD.R741.R0501.SRC. The source programs were unloaded using the Natural utility NATUNLD. The programs will be loaded to the application library LAMSPROD, replacing any existing programs of the same name. The source module counts included in this release are listed below:

Natural Source Modules by type	
GLOBAL DATA AREA	0
LOCAL/PARAM DATA AREA	1
MAPS	0
HELP ROUTINES	17
SUBROUTINES	0
SUBPROGRAMS	3
PROGRAMS	3
COPYCODE	0
TEXT	0
PROCESS	0
MISCELLANEOUS OBJECTS	0
Total:	**24**

2.2   List of Source Code Modifications

The following are the modules added, modified and deleted.

Added Modules:
   There are no modules added in this release.

Changed Modules:
1. NACPERNA	Command Processor Subroutine	Subprogram
2. NAHF00HA	Field Level Helproutine	Helproutine
3. NAHF00HB	Field Level Helproutine for Fields Displayed in a Window	Helproutine
4. NAHF01HA	Field Level Helproutine – A1	Helproutine
5. NAHF02HA	Field Level Helproutine – A2	Helproutine
6. NAHF02HB	Field Level Helproutine – N2	Helproutine
7. NAHF03HA	Field Level Helproutine – A3	Helproutine
8. NAHF05HA	Field Level Helproutine – A5	Helproutine
9. NAHF12HA	Field Level Helproutine – A12	Helproutine
10. NAHF21HA	Field Level Helproutine – A1	Helproutine
11. NAHF21HB	Field Level Helproutine – N1	Helproutine
12. NAHF22HA	Field Level Helproutine – A2	Helproutine
13. NAHF23HA	Field Level Helproutine – Buyer Code	Helproutine
14. NAHF28HB	Field Level Helproutine – NAICS Code	Helproutine
15. NAHF31HA	Field Level Helproutine – Postal Zone	Helproutine
16. NAHF32HA	Field Level Helproutine for the State or Country Code Table	Helproutine
17. NAHF90HA	Field Level Helproutine for Program Defined Variables	Helproutine
18. NAHF91HA	Field Level Helproutine for Program Defined Variables in Windows	Helproutine
19. NAHFC1NA	Display of Help for Command Keywords	Subprogram
20. NAHFC1NB	Display of Help for Valid Keyword Combinations	Subprogram
21. QGM00	Session Initialization	Program
22. QSA15	Po Add (Short Form)	Program
23. QSA17	PO Short Form Update	Program
24. QSA17L	PO Short Form Update – Local Data Area	Local

Deleted Modules:
   There are no modules deleted in this release.

2.3 Copy Object Modules

Not applicable with this release.

3.0 Pre-Predict Data Conversion

Not applicable with this release.

4.0 Install Predict

Not applicable with this release.

5.0 Catalog Source Code

Run a batch job to catalog (CATALL) all AMS modules in the LAMSPROD or other named library. The SESAAS Batch standard parameters should be used for the compile.

After all objects are compiled, the AMS application will run under the SESAAS On-line standard parameter.

6.0 Post-Predict Data Conversion

Not applicable with this release.

7.0 Release-Specific Procedures

There are no Release-Specific Procedures with this release.

8.0 Local JCL Mods

There are no local JCL mods with this release.

9.0 Installation Checklist

1.0   Back Up Existing Data
2.1   Copy Source Code
5.0   Catalog Source Code